COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
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Doug Domenech
Secretary of Natural Resources

David K. Paylor
Director

Maria R. Nold
Regional Director

Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Norfolk Naval Shipyard
Facility Name:	Norfolk Naval Shipyard
Facility Location:	Portsmouth, VA 23709-5000
Registration Number:	60326
Permit Number:	TRO60326

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Sections I through XVII)
State Only Enforceable Requirements (Section XVIII)

Draft 2012
Effective Date

September 30, 2016
Expiration Date

_____
Maria R. Nold, Regional Director

_____
Signature Date

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I. Facility Information - Shipyard

Permittee:
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

Responsible Official:
Mr. Cameron Harper
Director of Occupational, Safety, Health and Environmental Division
by Direction of the Shipyard Commander

Facility
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

Contact Person:
Rhonda A. Ford
Air Program Manager
(757) 396-4619
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County-Plant Identification Number: 51-740-00006

Facility Description: NAICS 928110 and 336611 – NNSY is one of four NAVY shipyards in the United States. The facility occupies 810.25 acres and employs approximately 7,000 people. NNSY has the capability to dry-dock any NAVY vessel including nuclear and non-nuclear powered carriers and submarines. There are five operable dry-docks located at NNSY and multiple slips and piers. A variety of activities are conducted in support of repair and overhaul operations including, but not limited to: blasting, painting, welding, electroplating, utility steam production, machining and crane loading. Many of these activities are conducted in large buildings and shops located in the industrial area of the yard. Shipboard equipment and machinery is often removed from a dry-docked vessel by overhead crane, and is taken to various shops within the shipyard for repair or overhaul after which they are returned to the ship for re-installation. Power to the facility is supplied by way of steam from Wheelabrator and the electrical grid. The facility also has some peaking generators onsite to supply power to the grid when necessary. The following North American Industry Classification System (NAICS) codes apply to the operations at NNSY:

- 928110 (9711) - National security
- 336611 (3731) - Shipbuilding and repairing

The Southgate Annex, which is located next to NNSY, is owned and operated by the Commander, Navy Region Mid-Atlantic (CNRMA). Emission units for this area are listed in the CNRMA section of the permit. New Gosport, Stanley Court and Scott Center are not considered part of this facility for Title V purposes.

The facility is a Title V major source for all criteria pollutants. It is also a major source of HAPs and is therefore, subject to the Shipbuilding MACT (Subpart II), the Chrome MACT (Subpart N), the RICE MACT (Subpart ZZZZ), the CI ICE NSPS (Subpart IIII) and the Asbestos NESHAP (Subpart M). This source is located in an attainment area for ozone and in an attainment area for all other pollutants, and is a PSD major source because of its relationship with Wheelabrator Portsmouth, Inc. Wheelabrator Portsmouth Inc. is a support facility for NNSY by supplying steam to the shipyard. The facility is currently permitted under a Minor NSR Permit issued on June 28, 2010.

This permit action is to renew the facility's Title V Operating Permit.

II. Significant Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Internal Combustion Engines - Generators							
ICGF-B1582-002	-	*Emergency Generator Engine, Caterpillar 3412 (1997) 40 CFR 63 Subpart ZZZZ*	*5.690 mmBtu/hr, 671 HP, 500 KW*	-	-	-	-
ICGF-BERTH19-009	-	*Emergency Generator Engine, Detroit Diesel 12171 (1967) 40 CFR 63 Subpart ZZZZ*	*4.738 mmBtu/hr, 300 HP, 224 KW*	-	-	-	-
ICGF-B1500-023	-	*Emergency Generator Engine, Caterpillar, SR2, (1983), 40 CFR 63 Subpart ZZZZ*	*4.34 mmBtu/hr, 805 HP, 370 KW*	-	-	-	-
ICGF-PORTNSY-236-025	-	*Emergency Generator Engine, Cummins 4A2-3-G1 (1991), 40 CFR 63 Subpart ZZZZ*	*0.91 mmBtu/hr, 60 HP, 45KW*	-	-	-	-
ICGF-PORTNSY-1485-026	-	*Emergency Generator Engine, Caterpillar 3408DI (1977) 40 CFR 63 Subpart ZZZZ*	*3.35 mmBtu/hr, 73 HP, 54 KW*	-	-	-	-
ICGF-B277-027	-	*Emergency Generator Engine, Cummins 6A3.4-G1 (1991), 40 CFR 63 Subpart ZZZZ*	*0.46 mmBtu/hr, 34 HP, 25 KW*	-	-	-	-
ICGF- B1580-036	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF- B1580-037	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF- B1580-038	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-B1580-039	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-B1580-040	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-B1580-041	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-B1580-042	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-B1580-043	-	*Emergency Generator Engine, Caterpillar, 3516 (1994), 40 CFR 63 Subpart ZZZZ*	*16.856 mmBtu/hr, 2174 HP, 1600 KW*	-	-	-	*6/28/10*
ICGF-DD#3-046	-	*Emergency Generator Engine, Caterpillar, 3306B (1988) 40 CFR 63 Subpart ZZZZ*	*2.78 mmBtu/hr 306 HP, 228 KW*	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-DD#2-047	-	*Emergency Generator Engine, Caterpillar, 3412 (1994) 40 CFR 63 Subpart ZZZZ*	*4.738 mmBtu/hr, 749 HP, 500 KW*	-	-	-	-
ICGF-DD#4-049	-	*Emergency Generator Engine- Caterpillar, 3412 (1994), 40 CFR 63 Subpart ZZZZ*	*5.690 mmBtu/hr 890 HP, 600 KW*	-	-	-	-
ICGF-B236-050	-	*Emergency Generator Engine, Gillette , GPD-75E, (pre-2000), 40 CFR 63 Subpart ZZZZ*	*0.10 mmBtu/hr, 10 HP, 8 KW*	-	-	-	-
ICGF-B295-055	-	*Fire Pump Engine, Detriot Diesel, PTA 15D273, (pre-2000), 40 CFR 63 Subpart ZZZZ*	*0.10 mmBtu/hr, 100 HP, 73 KW*	-	-	-	-
ICGF-B1539-083	-	*Emergency Generator Engine, Caterpillar (pre-2000), Bldg 261, 40 CFR 63 Subpart ZZZZ*	*3.78 mmBtu/hr, 416 HP, 310 KW*	-	-	-	-
ICGF-B1475-085	-	*Emergency Generator Engine, Allis-Chalmers, (pre-2000), 40 CFR 63 Subpart ZZZZ*	*1.22 mmBtu/hr, 135 HP, 100 KW*	-	-	-	-
ICGF-B19-088	-	*Emergency Generator Engine, Olympian (1994) 40 CFR 63 Subpart ZZZZ*	*1.52 mmBtu/hr, 169 HP, 125 KW*	-	-	-	-
ICGF-B369-091	-	*Emergency Generator Engine, Cummins (pre-2000) 40 CFR 63 Subpart ZZZZ*	*0.41 mmBtu/hr, 40 HP, 30 KW*	-	-	-	-
ICGF-DD#8-093	-	*Emergency Generator Engine ,Caterpillar, 3412 (1994), 40 CFR 63 Subpart ZZZZ*	*5.640 mmBtu/hr, 890 HP, 600 KW*	-	-	-	-
ICGF-B369-095	-	*Fire Pump Engine, Detroit Diesel (pre-2000), 40 CFR 63 Subpart ZZZZ*	*0.91 mmBtu/hr, 100 HP, 73 KW*	-	-	-	-
ICGF-SWP829(2)-099	-	*Emergency Generator Engine, Caterpillar 3406 (12/04), 40 CFR 63 Subpart ZZZZ*	*2.04 mmBtu/hr, 440 HP, 328 KW*	-	-	-	-
ICGF-PORTNSY-269-123	-	*Emergency Generator Engine, Olympian YD50761 (2004) 40 CFR 63 Subpart ZZZZ*	*1.38 mmBtu/hr, 168 HP, 125 KW*	-	-	-	-
ICGF-B1605-124	-	*Emergency Generator Engine, Perkins 2334/1080 (2004), 40 CFR 63 Subpart ZZZZ*	*1.64 mmBtu/hr, 203 HP, 150 KW*	-	-	-	-
ICGF-B1604-125	-	*Emergency Generator Engine, Perkins 2334/1080 (2004), 40 CFR 63 Subpart ZZZZ*	*1.64 mmBtu/hr, 203 HP, 150 KW*	-	-	-	-
ICGF-B1606-126	-	*Emergency Generator Engine, Perkins 2334/1080 (2004), 40 CFR 63 Subpart ZZZZ*	*1.64 mmBtu/hr, 203 HP, 150 KW*	-	-	-	-
ICGF-B1607-127	-	*Emergency Generator Engine, Perkins 2334/1080 (2004), 40 CFR 63 Subpart ZZZZ*	*1.64 mmBtu/hr, 203 HP, 150 KW*	-	-	-	-
ICGF-B1608 128	-	*Emergency Generator Engine, Perkins 2334/1080 (2004), 40 CFR 63 Subpart ZZZZ*	*1.64 mmBtu/hr, 203 HP, 150 KW*	-	-	-	-
ICGF-B508-130	-	*Emergency Generator Engine, Caterpillar C9 (1/09) - 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ*	*2.74 mmBtu/hr, 335 HP, 250 KW*	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-B1618-131	-	*Emergency Generator Engine, Caterpillar LC6 (2005), 40 CFR 63 Subpart ZZZZ*	*5.12 mmBtu/hr, 764 HP, 570 KW*	-	-	-	-
ICGF-B1500-132	-	*Emergency Generator Engine, Caterpillar C4.4 (9/2008), 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ*	*2.63 mmBtu/hr, 156 HP, 116 KW*	-	-	-	-
ICGF-B261-133	-	*Emergency Generator Engine, Caterpillar LC6 (2006) 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ*	*5.12 mmBtu/hr, 764 HP, 570 KW*	-	-	-	-
ICGF-PORTNSY-385-135	-	*Emergency Generator Engine, Caterpillar 3306 (4/1/2006), 40 CFR 63 Subpart ZZZZ*	*2.42 mmBtu/hr, 312 HP, 250 KW*	-	-	-	-
ICGF-PORTNSY-507-136	-	*Emergency Generator Engine, Caterpillar D30P1 (1998), 40 CFR 63 Subpart ZZZZ)*	*0.32 mmBtu/hr, 40 HP, 30 KW*	-	-	-	-
ICGF-SWP60-137	-	*Emergency Generator Engine, Detroit Diesel 71247602 (1967), 40 CFR 63 Subpart ZZZZ*	*3.91 mmBtu/hr, 500 HP, 372 KW*	-	-	-	-
ICGF-SWP828-138	-	*Emergency Generator Engine, Caterpillar 3406 (12/04), 40 CFR 63 Subpart ZZZZ*	*3.91 mmBtu/hr, 440 HP, 328 KW*	-	-	-	-
ICGF-SWP829(1)-139	-	*Emergency Generator Engine, Caterpillar 3406 (12/04), 40 CFR 63 Subpart ZZZZ*	*3.91 mmBtu/hr, 440 HP, 328 KW*	-	-	-	-
ICGF-SWP831-140	-	*Emergency Generator Engine, Caterpillar IBF314P1 (11/88), 40 CFR 63 Subpart ZZZZ*	*2.92 mmBtu/hr, 322 HP, 240 KW*	-	-	-	-
ICGF-SWP832-141	-	*Emergency Generator Engine, Caterpillar 3406 (12/04), 40 CFR 63 Subpart ZZZZ*	*3.91 mmBtu/hr, 440 HP, 328 KW*	-	-	-	-
ICGF-PORTNSY-174-143	-	*Emergency Generator Engine, Caterpillar, D30P3 (2004) 40 CFR 63 Subpart ZZZZ*	*0.47 mmBtu/hr, 40 HP, 30 KW*	-	-	-	-
ICGF-B65-144	-	*Emergency Generator Engine, Caterpillar D60P1, (1998)*	*0.73 mmBtu/hr, 80 HP, 60 KW*	-	-	-	-
ICGF-B1502-145		*Emergency Generator Engine, John Deere R504849.D04045 (6/2011), 40 CFR 63 MACT ZZZZ, 40 CFR 60 NSPS IIII*	*99 HP, 80 KW*	-	-	-	-
ICGF-B234-146		*Emergency Generator Engine, Caterpillar C15 (2012), 40 CFR 63 MACT ZZZZ, 40 CFR 60 NSPS IIII*	*762 HP, 500 KW*	-	-	-	-
Abrasive Blast Operations							
ABRA-DOCKS-007	*ASDOCKS*	*Outdoor/Shipboard Abrasive Blasting (various), Mark2P Compressed Air Blasting Guns*	*6,600 lbs/hr*	*Tarpaulin Enclosure*	*CDABRA-007*	*PM/PM_{10}*	-
ABRA-B236-125	-	*Abrasive Blast Booth with 2 blasting nozzles and media recycling system, (24' x 14' x 12')*	*1,800 lb/hr per nozzle or 3600 lb/hr total*	*Recycling media system, Fabric filter*	*CDABRA-125*	*PM/PM_{10}*	*6/28/10*
Wood Working Operations							

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
WOOD-B276-003	*STWOOD-003*	*Crating Woodshop (Unknown), Equipment includes Cutting saws*	*N/A*	*Cyclone*	*CDWOOD-003*	*PM/PM_{10}*	-
WOOD-B369-004	*STWOOD-004*	*Saw Mill Woodworking Shop (Unknown) Equipment includes Sanders, Cutting Saws, Planers, etc*	*N/A*	*Fabric filter and Dust Collector*	*CDWOOD-004*	*PM/PM_{10}*	-
WOOD-B369-005	*STWOOD-005*	*Woodworking Shop (Unknown) Equipment includes Sanders, Cutting Saws, Planers, etc*	*N/A*	*Fabric Filter and Cyclone*	*CDWOOD-005*	*PM/PM_{10}*	-
Degreasing Operations							
DEGS-B59-015	-	*Tekusolv II solvent parts washer*	*N/A*	-	-	-	-
DEGS-B268-018	-	*Dry Cleaning Solvent parts washer*	*N/A*	-	-	-	-
DEGS-B235-021	-	*Parts Washer for Metal Parts, Fountain Industries (unknown)*	*N/A*	-	-	-	-
DEGS-B235-023	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-024	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-025	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-027	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-031	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-038	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-044	-	*Parts Washer for Metal Parts (unknown)*	*N/A*	-	-	-	-
DEGS-B171-047	-	*Parts Washer for Metal Parts, BAC Build-All-Corporation (unknown)*	*N/A*	-	-	-	-
DEGS-B171-074	-	*Parts Washer for Metal Parts, ZEP, (unknown)*	*N/A*	-	-	-	-
DEGS-B171-078	-	*Parts Washer for Metal Parts, (unknown)*	*N/A*	-	-	-	-
DEGS-B171-094	-	*Parts Washer for Metal Parts, BAC Build-All-Corporation (unknown)*	*N/A*	-	-	-	-
DEGS-B235-095	-	*PD 680 parts washer, Graymills (unknown)*	*N/A*	-	-	-	-
DEGS-B510-098	-	*PD 680 parts washer, Graymills (unknown)*	*N/A*	-	-	-	-
DEGS-B235-099	-	*Parts Washer for Metal Parts, SD-2PA Degreaser Type III (06/1971)*	*45 gallons*	-	-	-	-
DEGS-B235-100	-	*PD 680 parts washer, Safety Clean, Model 81 (3/2003)*	*N/A*	-	-	-	-
DEGS-B235-200	-	*Parts Washer for Metal Parts, (unknown)*	*N/A*	-	-	-	-
DEGS-B171-206	-	*PD 680 parts washer, Model #PW-20G (10/2001)*	*N/A*	-	-	-	-
DEGS-B171-207	-	*PD 680 parts washer, Model #PW-20G (10/2001)*	*N/A*	-	-	-	-
DEGS-B171-208		*PF 680 parts washer (large)*	*N/A*	-	-	-	-
DEGS-B171-209		*PF 680 parts washer (small) Protectaire*	*N/A*	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Electroplating Operations							
EPLT-B1512-009	-	*Hard Chrome Plate Tank (2011), 40 CFR Part 63, Subpart N*	*N/A*	*Mesh-pad mist eliminator*	*EF-2*	*Cr*	*6/28/10*
EPLT-B1512-040	-	*Chromic Acid Anodize Tank (2011), 40 CFR Part 63, Subpart N*	*N/A*	*Mesh-pad mist eliminator*	*EF-5*	*Cr*	*6/28/10*
Coating Operations							
OCOT-B510-001	-	*Motor Dip Tank (Unknown), Dip Coating Application, Dip Coating Tank*	*N/A*	-	-	-	-
OCOT-B510-002	-	*Motor Dip Tank (Unknown), Dip Coating Application, Dip Coating Tank*	*N/A*	-	-	-	-
OCOT-B510-003	-	*Motor Dip Tank (Unknown), Dip Coating Application, Dip Coating Tank*	*N/A*	-	-	-	-
PNTO- B1499-009	*STPNTO-009*	*Portable Flame Spray Booth (5/95), Flame Spray Application, Metco, 12E*	*12.0 lb/hr*	*Water Curtain*	*CDPNTO-010*	*PM/PM_{10}, PM HAPs*	-
PNTO- B163-011	*STPNTO-011*	*Flame SprayRoom - Flame Spray Application, High Velocity Oxygen Fuel Spray and Plasma Spray Applications*	*15 lbs/hr*	*Fabric Filter*	*CDPNTO-011*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTO -B163-012	-	*Anchor Chain Coating Area, Metco, 12E*	*12.0 lbs/hr*	*Special application with fabric filter*		*PM_{10}, PM HAPs*	
PNTS-B234-001	*STPNTS-001*	*Devilbiss Spray Caoting Booth, (mfd 1944, modified in 1996), 40 CFR Part 63, Subpart II*	*14 gal/hr*	*Fabric filter*	*CDPNTS-001*	*PM/PM10, VOC*	*8/XX/12*
PNTS-B234-002	-	*Powder Coating Booth, 40 CFR Part 63, Subpart II*	*35 lbs/hr*	*Dry filters*	*CDPNTS-002*	*PM/PM_{10}, PM HAPs*	-
PNTS-B510-004	*STPNTS-004*	*Antenna Shop Paint Booth (Unknown), Conventional Air Atomized Spray Paint Application, Paint Spray Booth, 40 CFR Part 63, Subpart II*	*N/A*	*Down draft booth*	*CDPNTS-004*	*PM/PM_{10}, PM HAPs*	-
PNTS-B510-005	*STPNTS-005*	*Motor Paint Booth (Unknown), Conventional Air Atomized Spray Paint Application, Paint Spray Booth, 40 CFR Part 63, Subpart II*	*N/A*	*Dry filters*	*CDPNTS-005*	*PM/PM_{10}, PM HAPs*	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTS-B1499-006	*STPNTS -006 A, STPNTS -006 B, STPNTS -006 C, STPNTS -006 D*	*Large Piece Spray Booth (12/31/84), Conventional Air Atomized Spray Paint Application, Large Drive-in Paint Spray Booth, 40 CFR Part 63, Subpart II*	*20 gal/hr*	*Dry filters*	*CDPNTS-006*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B369-009	-	*Plasticol Coating (Unknown), Dip Coating Application, Plasticol Coating Process*	*N/A*	-	-	-	-
PNTS-DOCKS-011	*STPNTS -011*	*Spray Paint, Outdoors, (Unknown), Conventional Air Atomized Spray Paint Application, 40 CFR Part 63, Subpart II*	*N/A*	*Tarpaulin Enclosure*	*CDPNTS-011*	*PM/PM_{10}, PM HAPs*	-
PNTS-B171-018	*STPNTS -018*	*Paint Booth, (Unknown), Conventional Air Atomized Spray Paint Application , 40 CFR Part 63, Subpart II*	*5 gal/hr*	*Dry Filter*	*CDPNTS-018*	*PM_{10}, PM HAPs*	-
PNTS-B1575-019	*STPNTS -019*	*Paint Spray Booth (06/15/97), Conventional Air Atomized Spray Paint Application, 40 CFR Part 63, Subpart II*	*5 gal/hr*	*Fabric Filter*	*CDPNTS-019*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B522-028	*STPNTS -028*	*Binks Spray Paint Booth, Conventional Air Atomized Spray Paint Application*	*5 gal/hr*	*Fabric Filter*	*CDPNTS-028*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B369-029	*STPNTS -029*	*Spray Paint Booth, Conventional Air Atomized Spray Paint Application, Paint Spray Booth, 40 CFR Part 63, Subpart II*	*5 gal/hr*	*Fabric Filter*	*CDPNTS-029*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B1499-030	*STPNTS -030A STPNTS -030B*	*Spray Paint Booth (06/15/97), Conventional Air Atomized Spray Paint Application, Paint Spray Booth, 40 CFR Part 63, Subpart II*	*20 gal/hr*	*Fabric Filter*	*CDPNTS-030*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B1499-031	-	*Powder Coat Spray Booth*	*20 lbs/hr*	*Fabric Filter*	*CDPNTS-031*	*PM/PM_{10}, PM HAPs*	-
PNTS-B234-033	*STPNTS -033*	*Paint & Teflon Spray Booth-10' x 8' x 8', 40 CFR Part 63, Subpart II*	*19 gal/hr*	*Fabric Filter*	*CDPNTS-033*	*PM/PM_{10}, PM HAPs*	*6/28/10*
PNTS-B172-034	*STPNTS -034*	*Training Booth - Paint Spray and Abrasive Blast*	*5 gal/hr painting 1800 lb/hr blasting*	*Fabric Filter*	*CDPNTS-033*	*PM/PM_{10}*	*6/28/10*
Liquid Handling Operations							
GSTA-B237-001	-	*Commercial Gasoline Service Station for Government Vehicles @ Bldg 237*	*N/A -*	*Stage I Vapor Recovery*	-	*VOC, HAP*	-

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
GSTA-B237-005	-	*Commercial Bio fuel Gasoline Service Station for Government Vehicles*	*N/A* -	*Stage I Vapor Recovery*	-	*VOC, HAP*	-
Miscellaneous Operations							
MISC-B234-035	*STMISC -035*	*Asbestos Cutting Room Vacuum System - Unknown*	*N/A*	*HEPA Filter*	*CDMISC-035*	*PM/PM_{10}*	-

*The Size/Rated capacity is provided for informational purposes only and is not an applicable requirement.

III. Internal Combustion Engines - Shipyard

The internal combustion engines associated with this section of the permit are listed below:

Emergency Generator Engines	*ICGF-B1582-002, ICGF-BERTH19-009, ICGF-B1500-023, ICGF-PORTNSY-236-025, ICGF-PORTNSY-1485-026, ICGF-B277-027, ICGF- B1580-036, ICGF-B1580-037, ICGF-B1580-038, ICGF-B1580-039, ICGF-B1580-040, ICGF-B1580-041, ICGF-B1580-042, ICGF-B1580-043, ICGF-DD#3-046, ICGF-DD#2-047, ICGF-DD#4-049, ICGF-B236-050, ICGF-B1539-083, ICGF-B1475-085, ICGF-B19-088, ICGF-B369-091, ICGF-DD#8-093, ICGF-SWP829(2)-099, ICGF-PORTNSY-269-123, ICGF-B39-124, ICGF-DD#2-125, ICGF-B171-126, ICGF-B235-127, ICGF-B272 128, ICGF-B508-130, ICGF-B1618-131, ICGF-B1500-132, ICGF-B261-133, ICGF-PORTNSY-385-135, ICGF-PORTNSY-507-136, ICGF-SWP60-137, ICGF-SWP828-138, ICGF-SWP829(1)-139, ICGF-SWP831-140, ICGF-SWP832-141, ICGF-PORTNSY-174-143, ICGF-B1502-145, ICGF-B234-146,*
Fire Pump Engines	*ICGF-B295-055, ICGF-B369-095*

A. Limitations

1. Nitrogen oxide emissions from the eight (8) diesel peak shaving/emergency generator engines (ICGF-B1580-036 through ICGF-B1580-043) shall be controlled by retarding the fuel injection timing by four (4) degrees from standard timing.
(9 VAC 5-80-110 and Condition 32 of 6/28/10 permit)

2. The eight (8) diesel peak shaving/emergency generator engines (ICGF-B1580-036 through ICGF-B1580-043) shall consume no more than 286,936 gallons per year of distillate oil, combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 33 of 6/28/10 permit)

3. The approved fuel for the eight (8) peak shaving/emergency generator engines (ICGF-B1580-036 through ICGF-B1580-043) is distillate oil. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 34 of 6/28/10 permit)

4. The distillate oil shall meet the specifications below:

   DISTILLATE OIL which meets the ASTM specification for numbers 1 or 2 fuel oil:

   Maximum sulfur content per shipment: 0.5%
   (9 VAC 5-80-110 and Condition 35 of 6/28/10 permit)

5. Emissions from the operation of the eight (8) diesel peak shaving/emergency generator engines (ICGF-B1580-036 through ICGF-B1580-043) shall not exceed the limits specified below:

	EACH	COMBINED	
Particulate Matter	3.9 lbs/hr	4.8 tons/yr	(9 VAC 5-50-260)
PM-10	3.9 lbs/hr	4.8 tons/yr	(9 VAC 5-50-260)
Sulfur Dioxide	8.1 lbs/hr	10.0 tons/yr	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	47.9 lbs/hr	59.4 tons/yr	(9 VAC 5-50-260)
Carbon Monoxide	13.6 lbs/hr	16.9 tons/yr	(9 VAC 5-50-260)
Volatile Organic Compounds	3.5 lbs/hr	4.3 tons/yr	(9 VAC 5-50-260)

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 2, 3, and 4. (9 VAC 5-80-110 and Condition 37 of 6/28/10 permit)

6. Visible emissions from each of the generator engines and fire pump engines (with the exception of Units ICGF-BERTH19-009 and ICGF-SWP60-137) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity. This condition applies at all times except during start-up, shutdown, or malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110 and Condition 38 of 6/28/10 permit)

7. Visible emissions from the two (2) existing emergency engines (ICGF-BERTH19-009 and ICGF-SWP60-137) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60% opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

8. Except where this permit is more restrictive than the applicable requirement, internal combustion engines ICGF-B508-130, ICGF-B1500-132, ICGF-B261-133, ICGF-PORTNSY-385-135, ICGF-B1502-145, and ICGF-B234-146 shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII.

   Note: All applicable requirements of 40 CFR Part 60, Subpart IIII are not specifically listed in this permit. The permittee should refer to the applicable regulation for additional requirements not included in this permit. (9 VAC 5-80-110)

9. Emission Units ICGF-B508-130, ICGF-B1500-132, ICGF-B261-133, ICGF-PORTNSY-385-135, ICGF-B1502-145 and ICGF-B234-146 shall be in compliance with 40 CFR Part 60, Subpart IIII. These units shall comply with the applicable:

   a. Emission limitations as specified in 40 CFR 60.4202 and 60.4205;

   b. Fuel requirements specified in 40 CFR 60.4207;

   c. Performance testing requirements as specified in 40 CFR 60.4212 and 60.4213;

   d. Monitoring, installation, collection, operation and maintenance requirements as specified in 40 CFR 60.4208, 60.4209, 60.4215, 60.4216 and 60.4217;

   e. Continuous compliance requirements as specified in 40 CFR 60.4211;

   f. Notification, recordkeeping and reporting requirements as specified in 40 CFR 60.4214, Table 5;

   g. Requirements of the General Provisions listed in 40 CFR Subpart A as specified in 60.4218, Table 8.
   (9 VAC 5-80-110)

10. Except where this permit is more restrictive than the applicable requirement, the internal combustion engines listed in Section II shall be operated in compliance with the requirements of 40 CFR Part 63, Subpart ZZZZ.

    Note: All applicable requirements of 40 CFR Part 63, Subpart ZZZZ are not specifically listed in this permit. The permittee should refer to the applicable regulation for additional requirements not included in this permit. (9 VAC 5-80-110)

11. All existing emergency CI generators ≤ 500 HP (ICGF-BERTH19-009, ICGF-PORTNSY-236-025, ICGF-PORTNSY-1485-026, ICGF-B277-027, ICGF-DD#3-046, ICGF-B236-050, ICGF-B1539-083, ICGF-B1475-085, ICGF-B19-088, ICGF-B369-091, ICGF--SWP829(2)-99, ICGF-PORTNSY-269-123, ICGF-B39-124, ICGF-DD#2-125, ICGF-B171-126, ICGF-B235-127, ICGF-B272 128, ICGF-PORTNSY-507-136, ICGF-SWP60-137, ICGF-SWP828-138 , ICGF-SWP829(1)-139, ICGF-SWP831-140, ICGF-SWP832-141, ICGF-PORTNSY-174-143, and ICGF-B65-144) shall be in compliance with 40 CFR Part 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the applicable:

    a. Emission limitations as specified in 40 CFR 63.6602, Table 2c;

    b. Monitoring, installation, collection, operation and maintenance requirements as specified in 40 CFR 63.6625(e), (f), (h), (i);

    c. Continuous compliance requirements as specified in 40 CFR 63.6605 and 63.6640;

    d. Recordkeeping requirements as specified in 63.6655 (except 63.6655(c));

    e. Reporting requirements as specified in the Footnote 1 of Table 2d; and

    f. Requirements of the General Provisions listed in 40 CFR Subpart A, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

    (9 VAC 5-80-110)

12. All new emergency CI generators ≤ 500 HP (Units ICGF-B508-130, ICGF-B1500-132, ICGF-PORTNSY-385-135 and ICGF-B1502-145) shall show compliance with 40 CFR Part 63, Subpart ZZZZ by demonstrating compliance with 40 CFR Part 60, Subpart IIII. See Condition 9.
    (9 VAC 5-80-110 and 40 CFR 63 Subpart ZZZZ)

13. All existing emergency CI generators >500 HP (Units ICGF-B1582-002, ICGF-B1500-023, ICGF-B1580-036 through ICGF-B1580-043, ICGF-DD#2-047, ICGF-DD#4-049 and ICGF-DD#8-093) shall demonstrate continuous compliance with 40 CFR Part 63, Subpart ZZZZ emission limits and operating limitations by complying with 63.6640(f).
    (9 VAC 5-80-110 and 40 CFR 63 Subpart ZZZZ)

14. All new emergency CI generators > 500 HP (ICGF-B1618-131, ICGF-B261-133 and ICGF-B234-146) shall be in compliance with 40 CFR Part 63, Subpart ZZZZ upon startup. These units shall comply with the applicable:

    a. Continuous compliance requirements as specified in 40 CFR 63.6605 and 63.6640;

    b. Notification requirements as specified in 40 CFR 63.6645(f);

    (9 VAC 5-80-110)

B. Monitoring

1. The permittee shall perform periodic visual evaluations of each stack from each of the internal combustion engines (with the exception of Units ICGF-BERTH19-009 and ICGF-SWP60-137) listed at the beginning of this section according to the schedule in Condition B.2 for compliance with the opacity limits listed in Conditions A.6 and A.7. If such periodic evaluations indicate any opacity ≥ 20%, observed by a Method 9 certified visible emission evaluator, the permittee shall take appropriate action to correct the cause of the excess opacity such that visible emissions do not exceed established limits. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A). The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions.
(9 VAC 5-80-110)

2. Periodic visual evaluations to be conducted according to the following operation frequency guidelines:

Operating Schedule	Observation Frequency
> 50 hrs / calendar month	Quarterly
< 50 hrs / calendar month but > 50 hrs/yr	Annually
< 50 hrs / year	No Evaluations Required

(9 VAC 5-80-110)

3. For those emission units required to have quarterly visual evaluations, once an emissions unit demonstrates compliance for four (4) consecutive calendar quarters, the required frequency for the periodic visual evaluations shall decrease to once per calendar year. In the event a subsequent opacity problem is identified, the frequency for the unit of concern will then revert back to quarterly evaluations until four subsequent quarters of compliance are documented.
(9 VAC 5-80-110)

4. NSPS IIII monitoring shall be performed in accordance with Conditions A.8 and A.9.
(9 VAC 5-80-110)

5. MACT ZZZZ monitoring shall be performed in accordance with Conditions A.11-A.12.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;

   b. The date on which the distillate oil was received;

   c. The volume of distillate oil delivered in the shipment; and

   d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

   (9 VAC 5-80-110 and Condition 36 of 6/28/10 permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of distillate oil (in 1000 gallons) for the eight (8) diesel peak shaving/emergency generators (ICGF-B1580-036 through ICGF-B1580-043), combined. The annual throughput shall be calculated as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   b. All fuel supplier certifications for the eight (8) diesel peak shaving/emergency generators (ICGF-B1580-036 through ICGF-B1580-043).

   c. Records of periodic visual evaluations, Method 9 visible emission evaluations and any corrective action taken. The Method 9 evaluation and/or corrective action incident details shall be recorded in a logbook.

   These records shall be available on site for inspection by the Department and shall be current for the most recent 5 years.
   (9 VAC 5-80-110 and Condition 40 of the 6/28/10 permit)

3. MACT ZZZZ recordkeeping and reporting shall be performed in accordance with Conditions A.11-A.12.
   (9 VAC 5-80-110)

IV. Abrasive Blasting Operations - Shipyard

The abrasive blasting units associated with this section of the permit consists of the following emission units: ABRA-DOCKS-007, ABRA-B236-125 and PNTS-B172-034.

A. Limitations

1. At all times, including periods of startup, shutdown, and malfunction, the abrasive blasting operations shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to DEQ, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
   (9 VAC 5-40-20 E, 9 VAC 5-40-90, 9 VAC 5-50-20 E and 9 VAC 5-80-110)
2. The approved media for the abrasive blast booth (ABRA-B236-125) are Aluminum Oxide and Plastic. A change in the blasting media may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 4 of 6/28/10 permit)
3. The approved media for the training blast booth (PNTS-B172-034) is Amasteel Shot/Grit Mix and coal slag (black beauty). A change in the blasting media may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 5 of 6/28/10 permit)
4. Particulate Matter emissions from the abrasive blast booth and the training blast booth (ABRA-B236-125 and PNTS-B172-034) shall each be controlled by a cartridge filter. The cartridge filter shall be provided with adequate access for inspection and shall be in operation when the blasting nozzles are operating.
   (9 VAC 5-80-110 and Condition 6 of 6/28/10 permit)
5. Each cartridge filter shall be equipped with a device to continuously measure the differential pressure drop across the cartridge filter. The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the cartridge filter for each abrasive blast booth (ABRA-B236-125 and PNTS-B172-034) is operating.
   (9 VAC 5-80-110 and Condition 7 of 6/28/10 permit)
6. The gauge used to continuously measure the differential pressure drop across the cartridge filter on the abrasive blast booth (ABRA-B236-125) shall be observed by the permittee with a frequency of not less than once per operating day to ensure good performance of the cartridge filter. The permittee shall keep a log of the observations from the differential pressure gauge.
   (9 VAC 5-80-110 and Condition 8 of 6/28/10 permit)
7. The gauge used to continuously measure the differential pressure drop across the cartridge filter on the training blast booth (PNTS-B172-034) shall be observed by the permittee with a frequency of not less than once per week to ensure good performance of the cartridge filter. The permittee shall keep a log of the observations from the differential pressure gauge.
   (9 VAC 5-80-110 and Condition 9 of 6/28/10 permit)
8. The throughput of new (unused) aluminum oxide blasting media used in the abrasive blast booth (ABRA-B236-125) shall not exceed 15,725 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
   (9 VAC 5-80-110 and Condition 10 of 6/28/10 permit)

9. The throughput of new (unused) plastic blasting media used in the abrasive blast booth (ABRA-B236-125) shall not exceed 6,989 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 11 of 6/28/10 permit)

10. The throughput of new (unused) Amasteel Shot/Grit Mix and coal slag used in the training blast booth (PNTS-B172-034) shall not exceed 39 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 12 of 6/28/10 permit)

11. Emissions from the operation of all abrasive blast booths (ABRA-B236-125 and PNTS-B172-034) shall not exceed the limits specified below:

Particulate Matter	3.3 tons/yr
PM-10	3.3 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition numbers 8, 9 and 10.
(9 VAC 5-80-110 and Condition 13 of 6/28/10 permit)

12. Visible Emissions from each abrasive blast booth (ABRA-B236-125 and PNTS-B172-034) shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20, 9 VAC 5-50-80, and 9 VAC 5-80-110)

13. The permittee shall take reasonable precautions to prevent particulate matter from becoming airborne during outdoor abrasive blasting operations (ABRA-DOCKS-007). To minimize visible emissions and fugitive emissions, the permittee shall:

    a. Minimize or, if necessary, terminate outdoor abrasive blasting operations if the fugitive particulate matter from such activities would be transported to adjacent property or waterways.

    b. Use containment methods, such as tarp enclosures, where possible and practical, and locate the operations to minimize particulate matter from being transported to adjacent property or waterways.

    c. Visible emissions from around the containment devices shall not exceed 20% opacity as determined by EPA Method 9 (reference 40 CFR 60 Appendix A).

    (9 VAC 5-40-20 E, 9 VAC 5-40-90, and 9 VAC 5-80-110)

B. Monitoring

1. Semi-annually, when in operation, the exhaust from each abrasive blast booth (ABRA-B236-125) shall be observed by the permittee for a period of not less than one minute for the presence of visible emissions. If visible emissions are observed, the permittee shall perform corrective actions to eliminate the cause of the visible emissions. The permittee shall maintain a log of the date, time, location, name of person performing the observation, whether or not visible emissions were detected, and any corrective actions taken, if necessary. These records shall be available for inspection by the Department and shall be current for the most recent five years.
(9 VAC 5-80-110 and Condition 14 of 6/28/10 permit)

2. Annually, when in operation, the exhaust from the training blast booth (PNTS-B172-034) shall be observed by the permittee for a period of not less than one minute for the presence of visible emissions. If visible emissions are observed, the permittee shall perform corrective actions to eliminate the cause of the visible emissions. The permittee shall maintain a log of the date, time, location, name of person performing the observation, whether or not visible emissions were detected, and any corrective actions taken, if necessary. These records shall be available for inspection by the Department and shall be current for the most recent five years.
(9 VAC 5-80-110 and Condition 15 of 6/28/10 permit)

3. Quarterly, when in operation, the exhaust from the outdoor abrasive blasting operations (ABRA-DOCKS-007) shall be observed by the permittee for a period of not less than one minute for the presence of visible emissions. If visible emissions are observed, the permittee shall perform corrective actions to eliminate the cause of the visible emissions. The permittee shall maintain a log of the date, time, location, name of person performing the observation, whether or not visible emissions were detected, and any corrective actions taken, if necessary. These records shall be available for inspection by the Department and shall be current for the most recent five years.
(9 VAC 5-80-110)

C. Reporting and Recordkeeping

1. The Norfolk Naval Shipyard will develop, maintain, in writing, and have available to all operators, operating procedures for all air pollution control equipment. Records of service and maintenance will be maintained on file by the permittee for a period of 5 years.
(9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual throughput of aluminum oxide blasting media in ABRA-B236-125, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 month;

   b. Annual throughput of plastic blasting media in ABRA-B236-125, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 month;

   c. Annual throughput of Amasteel Shot/Grit Mix and coal slag for PNTS-B172-034, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 month;

   d. Logs of differential pressure gauge observations; and

   e. Visible emission logs.

   These records shall be available on site for inspection by the Department and shall be current for the most recent 5 years.
   (9 VAC 5-80-110 and Condition 16 of the 6/28/10 permit)

V. Wood Working Operations - Shipyard

The metal working units associated with this section of the permit consist of the following emission units: WOOD-B276-003, WOOD-B369-004 and WOOD-B369-005.

A. Limitations

1. Particulate emissions from Woodworking Operation (WOOD-B369-004) shall be controlled by the use of a fabric filter. The fabric filter shall be provided with adequate access for inspection and shall be in operation when the process is operating.
(9 VAC 5-40-2270 and 9 VAC 5-80-110)

2. Particulate emissions from Woodworking Operations (WOOD-B276-003 & WOOD-B369-005) shall be controlled by the use of cyclones. The cyclones shall be provided with adequate access for inspection and shall be in operation when the processes are operating.
(9 VAC 5-40-2270 and 9 VAC 5-80-110)

3. Particulate emissions from each Woodworking Operatios (WOOD-B276-003, WOOD-B369-004 and WOOD-B369-005) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-40-2270 B, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

4. Visible emissions from each Woodworking Operation (WOOD-B276-003, WOOD-B369-004 and WOOD-B369-005) shall not exceed 20% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20 A.2, 9 VAC 5-50-80 and 9 VAC 5-80-110)

5. At all times, including periods of startup, shutdown and malfunction, the Woodworking Operations and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

6. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring

1. When operating, the permittee shall perform annual visual emissions evaluations of each stack for Woodworking Operations WOOD-B276-003, WOOD-B369-004 and WOOD-B369-005 for at least 6 minutes during daylight hours. Lack of visible emissions shall indicate compliance with the provisions of 9 VAC 5-40-2270 B. If such periodic evaluations indicate any visible emissions, the permittee shall take appropriate action to correct the cause of the visible emissions. The permittee shall maintain a log of the date, time, location, name of person performing the observation, whether or not visible emissions were detected, and any corrective actions taken, if necessary.
(9 VAC 5-80-110 E)

2. The permittee shall inspect each cyclone once per year for structural integrity and record the results in a logbook. The logbook shall include the date, time, condition, and the name of the person performing the inspection and any corrective actions taken, if necessary.
(9 VAC 5-80-110)

C. Reporting and Recordkeeping

1. The Norfolk Naval Shipyard will develop, maintain, in writing, and have available to all operators operating procedures for all air pollution control equipment. Records of service and maintenance will be maintained on file by the permittee for a period of 5 years.
(9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Logs of periodic visual evaluations;

   b. All cyclone structural integrity evaluations; and,

   c. DEQ-approved, Particulate Matter emission factors used to show compliance with the emission limits contained in Section V.A.3 of this permit.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
   (9 VAC 5-80-110)

VI. Degreasing Operations - Non-Halogenated Cold Degreasers

The degreasing operations units associated with this section of the permit consist of the following emission units: DEGS-B59-015, DEGS-B268-018, DEGS-B235-021, DEGS-B235-023, DEGS-B171-024, DEGS-B171-025, DEGS-B171-027, DEGS-B171-031, DEGS-B171-038, DEGS-B171-044, DEGS-B171-047, DEGS-B171-074, DEGS-B171-078, DEGS-B171-094, DEGS-B235-095, DEGS-B510-098, DEGS-B235-099, DEGS-B235-100, DEGS-B235-200, DEGS-B171-206, DEGS-B171-207, DEGS-B171-208, DEGS-B171-209.

A. Limitations

1. Vapor control is required for each cold cleaner to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:
   a. Covers or enclosed remote reservoirs;
   b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;
   c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290 C.2.a-c on/near the cold cleaning unit(s);
   d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.C.1.a-d)

2. The following operating procedures for the cold cleaning units shall be followed:
   a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in closed containers only.
   b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.
   c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.C.2.a-c)

3. Disposal of waste solvent from the cold cleaning units shall be done by one of the following:
   a. Reclamation (either by outside services or in-house), or
   b. Incineration.

(9 VAC 5-80-110, 9 VAC 5-40-3280 C.1 & 2, and 9 VAC 5-40-3290.D)

B. Monitoring

1. Each degreasing unit will be inspected once per calendar year to ensure that the label with the operating procedures is placed on or near each degreasing unit.
2. Each degreasing unit will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is stored in closed containers.

(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

1. Annual inspection results and any corrective actions taken;
2. Method(s) of waste solvent disposal.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years. (9 VAC 5-80-110)

VII. Electroplating Operations - Shipyard

The electroplating units associated with this section of the permit consist of the following emission units: EPLT-B1512-009 and EPLT-B1512-040.

A. Limitations

1. The permittee shall have an operation and maintenance plan in accordance with 40 CFR 63.342(f)(3).
(9 VAC 5-80-1180, 9 VAC 5-60-100 (40 CFR 63.342(f)(3)) and Condition 17 of the 6/28/10 Permit)

2. Particulate matter and hazardous air pollutant emissions from the hard chrome and chrome anodizing tanks (EPLT-B1512-009 and EPLT-B1512-040) shall be controlled by mesh-pad mist eliminators which meet the definition of "a composite mesh-pad system" in 40 CFR 63.341. The mesh-pad mist eliminators shall be provided with adequate access for inspection and shall be operating at all times that the tanks/processes are operating.
(9 VAC 5-80-1180, 9 VAC 5-60-100 and Condition 18 of the 6/28/10 Permit)

3. Emissions from the operation of the open surface hard chromium electroplating tank (EPLT-B1512-009) shall not exceed the limits specified below:

   Chromium 6.6×10^{-6} gr/dscf

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers B.3 and D.1.
(9 VAC 5-80-1180, 9 VAC 5-60-100 (40 CFR 63.342(c)(1)) and Condition 22 of the 6/28/10 Permit)

4. Emissions from the operation of the chromic acid anodizing tank (EPLT-B1512-040) shall not exceed the limits specified below:

   Chromium 4.4 x 10-6 gr/dscf

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers B.3 and D.1.
(9 VAC 5-80-1180, 9 VAC 5-60-100 (40 CFR 63.342(d)) and Condition 23 of the 6/28/10 Permit)

5. Except where this permit is more restrictive than the applicable requirement, the MACT equipment (EPLT-B1512-009 and EPLT-B1512-040) shall be operated in compliance with the requirements of 40 CFR Part 63, Subpart N.

   Note: All applicable requirements of 40 CFR Part 63, Subpart N are not specifically listed in this permit. The permittee should refer to the applicable regulation for additional requirements not included in this permit.
(9 VAC 5-80-1180, 9 VAC 5-60-90, 9 VAC 5-60-100 and Condition 24of the 6/28/10 Permit)

6. The existing plating facility shall be replaced by the new plating facility in building 1512. Once the new plating facility is operational, the old plating facility will be taken out of service. Both plating facilities shall not be operated at the same time. Reactivation of the old plating facility may require a permit.
(9 VAC 5-80-10 N and Condition 25 of the 6/28/10 Permit)

B. Monitoring

1. The mesh-pad mist eliminator shall have the following monitoring performed quarterly:

   a. Visually inspect the mesh-pad mist eliminator to ensure there is proper drainage, no chromic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the devices;

b. Visually inspect back portion of the mesh-pad closest to the fan to ensure there is no breakthrough of chromic acid mist; and

c. Visually inspect the ductwork from the tank to the control device to ensure there are no leaks.

Perform wash-down of the composite mesh-pads in accordance with the manufacturer's recommendations.

The permittee shall keep a log of quarterly inspections and any wash-downs which shall include: control device id, date and time of inspection/wash-down; condition found; and any action taken.
(9 VAC 5-80-1180 D, 9 VAC 5-60-90, 9 VAC 5-60-100 and Condition 19 of the 6/28/10 Permit)

2. Each mesh-pad mist eliminator shall be equipped with a device to continuously measure the pressure drop across each mesh-pad mist eliminator. Each monitoring device shall be installed, maintained and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the tanks/processes are operating.
(9 VAC 5-80-1180 D, 9 VAC 5-60-100 (40 CFR 63.343(c)(1)) and Condition 20 of the 6/28/10 Permit)

3. The permittee shall monitor and record the pressure drop across each mesh-pad mist eliminator once each day that any affected source (EPLT-B1512-009 and/or EPLT-B1512-040) is operating. To be in compliance with the standards, each mesh-pad mist eliminator shall be operated within ±2 inch of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests, except during automatic wash-down cycles of the mesh-pad system. The permittee shall keep a log of the observations from both control devices which shall include: control device ID; date; time; results of observation; any action taken if not within range.
(9 VAC 5-80-1180 D, 9 VAC 5-60-100 (40 CFR 63.343(c)(1)) and Condition 21 of the 6/28/10 Permit)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. Inspection records to show compliance with Condition B.1;

b. Operation and control device monitoring records and logs for the mesh-pad mist eliminators as required in Condition B.3;

c. Scheduled and unscheduled maintenance of the tanks (EPLT-B1512-009 and/or EPLT-B1512-040) and the mist eliminators;

d. Records of occurrence, duration, and cause (if known) of each malfunction of process, each mesh-pad mist eliminator and each pressure drop gauge on a mist eliminator;

e. Records of action taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

f. Results of all stack tests, and performance evaluations;

g. All measurements necessary to determine the conditions of the performance tests;

h. Specific identification of each period of excess emission;

i. Records of process operating time for each tank (EPLT-B1512-009 and EPLT-B1512-040)

j. Annual cumulative rectifier rating, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

k. Material Safety Data Sheets (MSDS), showing, HAP content, for each tank solution, used.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years. (9 VAC 5-80-1180, 9 VAC 5-50-50 and Condition 28 of the 6/28/10 Permit)

2. Each owner or operator of an affected source (40 CFR Part 63 Subpart N) shall compile records as specified in 63.346(b) on a monthly basis and maintain those records for a minimum of 5 years. (9 VAC 5-80-110 and 40 CFR 63.346)

3. The permittee shall furnish written notification to the Tidewater Regional Office of:

   a. The actual date on which construction of the new plating facility commenced within 30 days after such date.

   b. The actual start-up date of the new plating facility within 15 days after such date.

   c. The anticipated date of performance tests of the mesh-pad mist eliminators that are subject to 40 CFR Part 63, Subpart N postmarked at least 60 days prior to such date.

   (9 VAC 5-50-50, 9 VAC 5-80-1180 and Condition 29 of the 6/28/10 Permit)

4. A notification of compliance status shall be submitted to the Tidewater Regional Office no later than 90 days following the completion of the performance test and shall be submitted with the performance test results required in Condition D.1. (9 VAC 5-80-1180, 9 VAC 5-60-100 and Condition 30 of the 6/28/10 Permit)

5. The permittee shall submit a summary report to the Tidewater Regional Office to document the ongoing compliance status of the affected source. The report shall be submitted at least semiannually and shall contain the information listed in 40 CFR 63.347(g)(3). (9 VAC 5-80-1180, 9 VAC-60-100 and Condition 31 of the 6/28/10 Permit)

D. Testing

1. Initial performance tests shall be conducted in accordance with 40 CFR 40 63.343(c)(1) to evaluate the chromium emissions from the mesh-pad mist eliminators (EF-2 and EF-5). The tests shall be conducted as specified in 40 CFR 63.344 to determine compliance and establish operating parameters to meet the standards contained in Condition numbers A.3 and A.4. The tests shall be performed within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-60-100. The details of the tests are to be arranged with the Tidewater Regional Office. The permittee shall submit a test protocol at least 60 days prior to testing. One copy of the test results shall be submitted to the Director, Tidewater Regional Office within 90 days after test completion and shall conform to the test report format enclosed with this permit. (9 VAC 5-50-30, 9 VAC 5-80-10 J, 9 VAC 5-60-100 (40 CFR 63.343) and Condition 26 of the 6/28/10 Permit)

VIII. Coating Operations - Shipyard

The coating units associated with this section of the permit consist of the following emission units: OCOT-B510-001, OCOT-B510-002, OCOT-B510-003, PNTO-B1499-009, ~~PNTO-B163-010~~, PNTO-B163-011, PNTO-B163-012, ~~PNTO-015~~, PNTS-B234-001, PNTS-B234-002, PNTS-B510-004, PNTS-B510-005, PNTS-B1499-006, PNTS-B369-009, PNTS-DOCKS-011, PNTS-B171-018, PNTS-B1575-019, PNTS-B522-028, PNTS-B369-029, PNTS-B1499-030, PNTS-B1499-031, PNTS-B234-033, and PNTS-B172-034.

All the listed units with the exception of PNTS-028 are applicable to 40 CFR Part 63, Subpart II.

Unit No.	Description of Applicable Requirement/ Emission Limit/Standard/Work Practice	Citation
PNTO- B163-010, PNTO- B163-011, PNTO- B163-012, PNTS-234-001 PNTS-B234-002, PNTS-B510-004, PNTS-B510-005, PNTS-B1499-006, PNTS-B369-009, PNTS-DOCKS-011, PNTS-B171-018, PNTS-B1575-019 PNTS-B369-029, PNTS-B1499-030, PNTS-B1499-031, PNTS-B234-033, and PNTS-B172-034.	340 grams VOHAP per liter general use, air flask, inorganic zinc high-build, military exterior, nonskid, rubber camouflage, specialty interior, and undersea weapons systems coatings; 360 grams VOHAP per liter organic zinc coatings; 400 grams VOHAP per liter anti-foulant coatings; 420 grams VOHAP per liter heat resistant, high-gloss, and nuclear coatings; 490 grams VOHAP per liter special marking coatings; 500 grams VOHAP per liter high-temperature coatings; 530 grams VOHAP per liter antenna coatings; 550 grams VOHAP per liter navigational aids and repair and maintenance of thermoplastics coatings; 610 grams VOHAP per liter mist, sealant for thermal spray aluminum, and tack coat coatings; 650 grams VOHAP per liter weld-through preconditioning primer coatings; and 780 grams VOHAP per liter pretreatment wash primer coatings	40 CFR 63 Subpart II- National Emission Standards for Shipbuilding and Ship Repair (Surface Coating), Section 40 CFR 63.783(a)
PNTS-B522-028	Total Throughput and VOC as part of total for permitted paint booths.	9 VAC 5-80-110 and part of Specific Conditions 47 and 51 of the 6/28/2010 permit
OCOT-B510-001, OCOT-B510-002, OCOT-B510-003	Visible emissions from the exhausts of the natural gas and propane-fired equipment (205-C1a through c, 205-C2, 205-C3, and 206-C1) shall not exceed five percent (5%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.	9 VAC 5-50-80 and Condition 12 of the 2/14/01 NSR permit

A. Limitations

1. No coating application system or equipment shall be used unless reasonable precautions are taken to minimize the discharge or emissions from cleaning or purging operations. Reasonable precautions may include the following:

   a. The use of capture or control devices, or both;

   b. The use of detergents, high pressure water, or other non-volatile cleaning methods;

   c. The minimization of the quantity of volatile organic compounds used to clean lines of equipment; and,

   d. The adjustment of production schedules to minimize coating changes thereby reducing the need for frequent cleaning or purging of a system.

   (9 VAC 5-40-4780 D, 9 VAC 5-40-4480 C, 9 VAC 5-50-10 D and 9 VAC 5-80-110)

2. At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-80-110 and Condition 46 of 6/28/10 permit)

3. At all times, including periods of startup, shutdown and malfunction, the surface coating operations and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to DEQ, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-40-20 E, 9 VAC 5-60-20 A.2, and 9 VAC 5-80-110)

4. The permittee shall take reasonable precautions to prevent particulate matter from becoming airborne during outdoor painting operations (PNTS-DOCKS-011). To minimize visible emissions and fugitive emissions, the permittee shall:

   a. Minimize or, if necessary, terminate outdoor painting operations if the fugitive particulate matter from such activities would be transported to adjacent property or waterways.

   b. Use containment methods such as tarp enclosures where possible and practical, and locate the operations to minimize particulate matter from being transported to adjacent property or waterways.

   c. Visible emissions from around the containment devices shall not exceed 20% opacity as determined by EPA Method 9 (reference 40 CFR 60 Appendix A)

   (9 VAC 5-40-20 E, 9 VAC 5-40-90, and 9 VAC 5-80-110)

5. Each shipbuilding and ship repair operation is to be operated in compliance with the requirements of 40 CFR 63 Subpart II (Shipbuilding and Ship Repair (Surface Coating)) and the general provisions of 40 CFR 63 Subpart A, as specified in Table 1 of 40 CFR 63 Subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.780)

6. The provisions of 40 CFR Part 63, Subpart II do not apply to "low-usage exempt" coatings used in volumes of less than 52.8 gallons per year for each coating, and 264 gallons per year of all such coatings. Coatings exempt under this condition shall be clearly labeled as "low-usage exempt".
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(b))

7. The provisions of 40 CFR Part 63 Subpart A pertaining to startups, shutdowns, and malfunctions and continuous monitoring do not apply unless an add-on control system is used to comply with 40 CFR Part 63 Subpart II.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(d))

8. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II.
(9 VAC 5-80-110, 9 VAC 5-60-100 and 40 CFR 63.783(a))

9. Each owner or operator of a new or existing affected source shall ensure that:

   a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

   b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

   (9 VAC 5-80-110, 9 VAC 5-60-100 and 40 CFR 63.783(b))

10. Volatile organic compound emissions from the use of powders, solvents and coatings in each shipbuilding and ship repair powder and spray coating operation (PNTS-*, with the exception of PNTS-028) must comply with the Volatile Organic HAP limits (VOHAPs) delineated in NESHAP Subpart II, 63.788, Table 2, excluding water and exempt compounds, as applied.
    (9 VAC 5-80-110 and Condition 42 of 6/28/10 permit)

11. Particulate emissions from the spray paint booths (PNTS-B510-005, PNTS-B1499-006, PNTS-B171-018, PNTS-B1575-019, PNTS-B522-028, PNTS-B369-029, PNTS-B1499-030, PNTS-B234-033, and PNTS-B172-034) shall be controlled by dry particulate filters and minimization of overspray. The filters shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times when operating. The spray paint booths shall be provided with adequate access for inspection.
    (9 VAC 5-80-110 and Condition 43 of 6/28/10 permit)

12. Particulate emissions from the thermal spray booth, PNTO-B163-011, shall be controlled by dry particulate filters and minimization of over spray. The filters shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times when operating. The thermal spray booth shall be provided with adequate access for inspection.
    (9 VAC 5-80-110 and Condition 44 of 6/28/10 permit)

13. Particulate emissions from the powder coating spray booths (PNTS-B234-002 and PNTS-B1499-031) shall be controlled by dry particulate filters and minimization of over spray. The filters shall be equipped with a device to measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times when operating. The powder coating spray booths shall be provided with adequate access for inspection.
    (9 VAC 5-80-110 and Condition 45 of 6/28/10 permit)

14. The combined annual throughput of coatings, as applied, including thinners and solvents, for the spray paint booths, shall not exceed 17,557 gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
    (9 VAC 5-80-110 and Condition 47 of 6/28/10 permit)

15. The combined annual throughput of powder for the thermal spray booths shall not exceed 18,942 pounds, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
    (9 VAC 5-80-110 and Condition 48 of 6/28/10 permit)

16. The combined annual throughput of powder for the powder coating spray booth(s) shall not exceed 7,500 pounds, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
    (9 VAC 5-80-110 and Condition 49 of 6/28/10 permit)

17. Emissions from all the spray paint booths, combined, shall not exceed the limits specified below:

PM/PM_{10}	45.0 tons/yr
Volatile Organic Compounds	56.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in condition number 14.

(9 VAC 5-80-110 and Condition 51 of 6/28/10 permit)

18. Except where this permit is more restrictive than the applicable requirement, the paint spray booths, thermal spray booths and powder coating booths shall be operated in compliance with the requirements of 40 CFR Part 63, Subpart II.

Note: All applicable requirements of 40 CFR Part 63, Subpart II **are not** specifically listed in this permit. The permittee should refer to the applicable regulation for additional requirements not included in this permit. (9 VAC 5-80-110 and Condition 41 and 50 of 6/28/10 permit)

B. Monitoring

1. For each batch of coating (applied to a ship) that is received, the permittee shall:

   a. Determine the coating category (or categories) and the applicable VOHAP limit as specified in 63.783(a) for PNTO-B163-010, PNTO-B163-011, PNTO-B163-012, PNTO-B163-015, PNTS-B234-002, PNTS-B510-004, PNTS-B510-005, PNTS-B1499-006, PNTS-B369-009, PNTS-DOCKS-011, PNTS-B171-018, PNTS-B1575-019, PNTS-B369-029, PNTS-B1499-030, PNTS-B1499-031, PNTS-B234-033, and PNTS-B172-034.

   b. Certify the as-supplied VOC content of the batch of coating for coating units identified with the prefix PNTO and PNTS with the exception of powder coatings and thermal spray coatings that have no VOC and/or HAPs (either no listing or a listing of less than 1% on MSDS) shall only record the monthly usage. The permittee may use a VOC certification supplied by the manufacturer for the batch of coating. If the permittee performs certification testing, only one of the containers in which the batch of coating was received is required to be tested.

   (9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.785)

2. Annually, when in operation, visible emissions from each spray paint booth, each thermal spray booth and each powder coating booth shall be observed by the permittee for a period of not less than one minute for the presence of visible emissions. If visible emissions are observed, the permittee shall perform corrective actions to eliminate the cause of the visible emissions. The permittee shall maintain a log of the date, time, location, name of person performing the observation, whether or not visible emissions were detected, and any corrective actions taken, if necessary. These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
   (9 VAC 5-80-110 and Condition 52 of 6/28/10 permit)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual throughput of all coatings and solvents (in gallons) for all spray paint booths combined, as applied, in each shipbuilding and ship repair coating operation (Subpart II applicable), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;

b. The annual throughput of VOCs for each shipbuilding and ship repair coating operation, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;

c. Annual throughput (in gallons) of coatings and solvents, as applied, in any spray paint booths not applicable to Subpart II (PNTS-B522-028), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;

d. The current Material Safety Data Sheets (MSDS) for each coating and solvent used in the spray paint booth or other vendor information showing VOC and individual HAP content for each coating used in percent by weight;

e. Annual throughput of powder (in pounds) used in the thermal spray rooms (Ref. Nos. PNTO-B163-011), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months;

f. The current Material Safety Data Sheets (MSDS) or other vendor information for each powder coating used in each thermal spray booth operation (Ref. Nos. PNTO-B163-011) showing individual HAP content for each coating used in percent by weight;

g. Recordkeeping requirements in Table 3 (63.788) of Subpart II of 40 CFR Part 63 for each shipbuilding and ship repair coating operation (Subpart II applicable) with the exception of powder coatings and thermal spray coatings that have no VOC and/or HAPs (either no listing or a listing of less than 1% on MSDS) shall only record the monthly usage (see Appendix A - EPA memo dated 4/24/2002);

h. Visible emission logs.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years. (9 VAC 5-80-110 and Condition 53 of 6/28/10 permit)

2. The permittee shall submit reports of all emission data and operating parameters for the shipbuilding and ship repair powder and spray paint booths/operations (Subpart II applicable) to demonstrate compliance in accordance with NESHAP Subpart II, 63.788 I.
(9 VAC 5-80-110 and Condition 54 of 6/28/10 permit)

3. **Initial Notifications** - The permittee shall furnish written notification to the Tidewater Regional Office of:

a. The actual start-up date of the re-activated paint booth, PNTS-B234-001, within 15 days after such date.

(9 VAC 5-50-50, 9 VAC 5-80-1180 and Condition 55 of 6/28/10 permit)

4. Each owner or operator of an affected source (40 CFR Part 63 Subpart II) shall compile records on a monthly basis and maintain those records for a minimum of 5 years. At a minimum, these records shall include:

a. All documentation supporting initial notification;

b. A copy of the affected source's approved implementation plan;

c. The volume of each low-usage-exempt coating applied;

d. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

e. Certification of the as-supplied VOC content of each batch of coating.;

f. A determination of whether containers meet the standards as described in 40 CFR 63.783(b)(2); and,

g. The results of any Method 24 of Appendix A to 40 CFR Part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.

h. Additional information as determined by the compliance procedure(s) described in 40 CFR 63.785(c) that the affected source followed.

(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.788(b)(2) and 40 CFR 63.788(b)(3))

5. If the owner or operator detects a violation of the standard specified in 40 CFR 63.783, the owner or operator shall, for the remainder of the reporting period during which the violation(s) occurred, include the information listed in 40 CFR 63.788 (b)(4) in the facility records.

   (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788 (b)(4))

6. Before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator shall submit a report to the Administrator for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that information specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information specified in paragraph (b)(4) of 40 CFR 63.784 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the source.

   One copy of the above referenced report shall be sent to the EPA Administrator at the following address:

   Associate Director
   Office of Air Enforcement and Compliance Assistance (3AP20)
   U.S. Environmental Protection Agency
   Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029

   (9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.788(c))

IX. Liquid Handling Operations – Shipyard

The emission units associated with this section of the permit consist of the following emission units: GSTA-B237-001, GSTA-B237-005.

A. Limitations

1. No owner or other person shall transfer or permit the transfer of gasoline from any tank truck into any stationary storage tank with a capacity greater than or equal to 250 gallons and an average monthly throughput greater than or equal to 10,000 gallons per month unless such tank is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions. Achievement of this emission standard by use of one of the following will be acceptable to the board:

   a. A submerged fill pipe;

   b. A vapor control system with the vapor recovery portion consisting of one of the following:

      (i) A vapor tight return line from the storage container to the tank truck which shall be connected before gasoline is transferred into the container;

      (ii) Any adsorption system or condensation system; or

      (iii) Any system of equal or greater control efficiency to the systems in (1) or (2), provided such system is approved by the board.

   c. A vapor control system with the vapor balance portion meeting the following criteria:

      (i) There should be no leaks in the tank truck's pressure vacuum relief valves and hatch covers, nor truck tanks, storage tanks and associated vapor return lines during loading or unloading operations;

      (ii) The pressure relief valves on storage containers and tank trucks should be set to release at no less than 0.7 psi or the highest possible pressure (in accordance with the following National Fire Prevention Association Standards: NFPA 385, Standard for Tank Vehicles for Flammable and Combustible Liquids; NFPA 30, Flammable and Combustible Liquids Code; NFPA 30A, Automotive and Marine Service Station Code (see Appendix M));

      (iii) Pressure in the vapor collection lines should not exceed tank truck pressure relief valve settings; and

      (iv) All loading and vapor lines should be equipped with fittings which make vapor tight connections and which close when disconnected.

   (9 VAC 5-40-5220 E and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the gasoline pumps and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-20 E and 9 VAC 5-80-110)

3. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. At least annually (12 consecutive months), the permittee shall observe a gasoline delivery to GSTA-B237-001 and GSTA-B237-005 for the Stage I vapor recovery system usage to ensure the Stage I connector on the tank is operating properly. The observations shall be recorded, kept at the facility, and made available for inspection by the DEQ for the most recent 5 year period.
(9 VAC 5-80-110 E)

X. Insignificant Emission Units - Shipyard

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
ABRA-GRP	*Abrasive Blasting gloveboxes*	*9 VAC 5-80-720 B*	*PM, PM_{10}, Sb, Cd, Cr, Co, CN^-, Pb, Mn, Ni, P*	*Not Applicable*
BOIL-005, 006, 007,123, 125, 127	*External Combustion Boilers, Commercial/Institutional(0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*CO, NO_x, PM, PM_{10}, SO_x, VOC*	*9.0, 9.0, 4.0, 5.0, 9.9, and 9.9 MM Btu/hr, respectively*
BOIL-009, 011, 105, 107	*External Combustion Boilers, Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B*	*PM, PM_{10}, CO, NO_x, SO_x, VOC, As, Be, Cd, Cr, Pb, Mn, Hg, Ni, Formaldehyde, Total POM (Polycyclic organic matter)*	*2.09 MM Btu/hr, each*
BOIL-GP5	*External Combustion Boilers,Space Heaters (< 0.3 MMBtu/hr)*	*9 VAC 5-80-720 B, 9 VAC 5-80-720 C*	*CO, NO_x, PM, PM_{10}, SO_x, VOC*	*11 @ 0.19 MM Btu/hr*
CAST-004	*Casting Pot Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-001	*Alkaline Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-002	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-004	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-B1329-005A	*Solvent Cleaning Tank (Pro Strip-B)*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
CHMC-006	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Hydrogen chloride*	*Not Applicable*
CHMC-007	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Hydrogen fluoride*	*Not Applicable*
CHMC-008	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Dichromic acid, disodium salt, PM, PM_{10}*	*Not Applicable*
CHMC-009	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Dichromic acid, disodium salt, PM, PM_{10}*	*Not Applicable*
CHMC-010	*Acid Cleaning Tank*	*9 VAC 5-80-720 B*	*Dichromic acid, disodium salt, PM, PM_{10}, Sodium chromate*	*Not Applicable*
CHMC-012	*Neutralization Tank Emissions*	*9 VAC 5-80-720 B*	*Sodium Carbonate, PM, PM_{10}*	*Not Applicable*
CHMC-013	*Rinse Tank Emissions*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable*
CHMC-019	*Nitric Acid Cleaning Line*	*9 VAC 5-80-720 B*	*NOx (Nitrogen oxides)*	*Not Applicable*
CHMC-020	*Cleaning Tank*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CHMC-022	*Cleaning Tank*	*9 VAC 5-80-720 B*	*Chlorine*	*Not Applicable*
CHRG-GRP	*Battery Charging Operations*	*9 VAC 5-80-720 B*	*No Regulated Pollutants*	*Not Applicable*
CLNO-001	*Cleaning Machine*	*9 VAC 5-80-720 B*	*PM, PM_{10}, VOC*	*Not Applicable*
CLNO-009	*Silk Screening Cleaning Operation*	*9 VAC 5-80-720 B*	*PM, PM_{10}, VOC*	*Not Applicable*
CLNO-B235-016	*Better Engineering Natural Orange Parts Washer*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
DEGA-GRP	*Aqueous Degreasing Operations*	*9 VAC 5-80-720 A*	*Not Applicable*	*Not Applicable*
DEGS-B238-052	*Dry Cleaning Solvent Parts Washer*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
DEGS-B278-059		*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
DEGS-B163-066		*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
ENGT-002 & 003	*Small Engine Testing*	*9 VAC 5-80-720 B*	*1,3-Butadiene, Acenaphthene, Acenaphthylene, Acetaldehyde, Acrolein, Anthracene, Benz(a)anthracene, Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, CO, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Formaldehyde, Indeno(1,2,3-cd)pyrene,Naphthalene, NO_x, PAH, PM, PM_{10}, Phenanthrene, Pyrene, SO_x, Toluene, VOC, Xylenes (mixed isomers)*	*Not Applicable*
EPLT-001 –EPLT-008, EPLT-010-EPLT-039, & EPLT-041-EPLT-048	*Miscellaneous Plating Tanks*	*9 VAC 5-80-720 A*	*PM, PM_{10}*	
FREN-027	*Freon Cleaning Hood*	*9 VAC 5-80-720 B*	*Ozone Depleting Substances*	*Not Applicable*
FREN-GRP	*Portable Refrigerant Recovery Units*	*9 VAC 5-80-720 B*	*Ozone Depleting Substances*	*Not Applicable*
FURN-002, 003, 006, 007, 046, 057, 060, 061, 065, 071, 072, 075, 077, 089-095, 100,	*External Combustion Boilers, Commercial/Institutional (0.3-10 MMBtu/hr)*	*9 VAC 5-80-720 B* *9 VAC 5-80-720 C*	*CO, NO_x, PM, PM_{10}, SO_x, VOC*	*1.5, 1.5, 1.5, 0.3, 0.8, 0.8, 0.8, 0.8, 1.5, 1.5, 1.5, 1.8, 0.194, 1.5, 1.5, 1.5, 1.5, 0.29, 1.5, 1.5, 1.5, 0.25, 0.25, 0.25, 0.0006, 4.34, 0.25 &, 2.0 MMBtu/h, respectivelyr*
GSTA-003	*Commercial Diesel Service Station for Government Vehicles @ Bldg 237*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
IWTP-011	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol, Naphthalene, Benzene, Toluene, Ethylbenzene, Xylene, Arsenic, Cadmium, Chromium, Lead, Nickel, Mercury*	*Not Applicable*
IWTP-012-016 (See IWTP-GRP)	*DAF Wastewater Treatment System*	*9 VAC 5-80-720 B*	*Phenol, Naphthalene, Benzene, Toluene, Ethylbenzene, Xylene, Arsenic, Cadmium, Chromium, Lead, Nickel, Mercury*	*Not Applicable*
LAB-GRP	*Laboratory Hoods*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not Applicable.*
MISC-004	*Polyurethane Molding Hoods*	*9 VAC 5-80-720 B*	*VOC (Volatile organic compounds)*	*Not Applicable*
MISC-007	*Paper Shredder Operation*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable*
MISC-019	*Fiberglass Lagging Area*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MISC-034	*Fiberglass Lagging Area*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MISC-040	*Rubber Cutting Area*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
MISC-052	*Plexiglass cutting machine*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MISC-1499-053	*Two(2) Large Abrasive Blast Booths*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable*
MISC-056	*Three (3) LaserEngravers*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MISC-059	*Laser Pattern Cutter*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MISC-060	*Laser Engraver (B510)*	*9 VAC 5-80-720 B*	*PM, PM_{10}*	*Not Applicable.*
MTWK-GRP	*Metal Working Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not Applicable.*
MTWK-005	*Hot Parts Quench Tank*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not Applicable*
OCOT-005	*Gluing/Sealing Operation*	*9 VAC 5-80-720 B*	*PM, $PM_{10,}$ VOC, Xylenes (mixed isomers)*	*Not Applicable*
OCOT-006	*Wood Staining*	*9 VAC 5-80-720 B*	*2-Butoxy ethanol, 2-Butoxyethyl acetate, 2-Ethoxyethanol acetate, Chromate, Dioctyl phthalate, Ethylbenzene, Ethylene glycol, Hexane, Lead & Lead compounds, Manganese, Methanol, MIBK, PM, PM_{10}, Toluene,*	*Not Applicable*
OVNC-004	*External Combustion Boilers,Commercial/Institutional*	*9 VAC 5-80-720 B 9 VAC 5-80-720 C*	*CO, NOx, PM, PM_{10}, SOx, VOC*	*1.5 MM Btu/hr*
OVNC-010	*External Combustion Boilers, Commercial/Institutional (0.3-10MMBtu/hr)*	*9 VAC 5-80-720 B*	*CO, NOx, PM, PM_{10}, SOx, VOC*	*0.8 MM Btu/hr*
OVNE-002	*Drying Oven #2*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
OVNE-003	*Teflon Drying Oven*	*9 VAC 5-80-720 B*	*Toluene, VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-005	*Electric Paint Drying Oven #2*	*9 VAC 5-80-720 B*	*Toluene, VOC*	*Not Applicable*
OVNE-006	*Electric Paint Drying Oven #3*	*9 VAC 5-80-720 B*	*Toluene, VOC*	*Not Applicable*
OVNE-008	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-009	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-010	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-011	*Motor Dip Tank Drying Oven*	*9 VAC 5-80-720 B*	*VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-014	*Plasticol Bake-Off Oven*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
OVNE-015	*Electric Drying Oven*	*9 VAC 5-80-720 B*	*Ethylene glycol, Toluene, VOC, Xylenes (mixed isomers)*	*Not Applicable*
OVNE-016	*Powder Coat Curing Oven*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
OVNE-018	*Powder Coat Curing Oven*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
PNTO-005	*Crane Painting – Spray cans*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
PNTO-006	*Silk Screening/Handpainting*	*9 VAC 5-80-720 B*	*VOC*	*Not Applicable*
PNTS-010	*Spray Painting*	*9 VAC 5-80-720 B*	*PM, PM_{10}, Toluene, VOC*	*Not Applicable*
PNTS-022	*Spray Painting*	*9 VAC 5-80-720 B*	*PM, PM_{10}, Toluene, VOC*	*Not Applicable*
PNTS-025	*Paint Booth*	*9 VAC 5-80-720 B*	*PM, PM_{10}, VOC*	*Not Applicable*
PNTS-026	*Paint Booth*	*9 VAC 5-80-720 B*	*2-Butoxyethyl acetate, Lead, MIBK, PM, PM_{10}, Toluene, Triethylamine, VOC, Xylenes (mixed isomers)*	*Not Applicable*

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
PNTS-027	*Paint Booth*	*9 VAC 5-80-720 B*	*1,6-Diisocyanatohexane, Ethylbenzene, Glycol ethers, MIBK, PM, PM_{10}, Toluene, VOC Xylenes (mixed isomers)*	*Not Applicable*
STMC-GRP	*Steam Cleaning Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants*	*Not Applicable*
TNKA-002, 003, 004, 005, 173,	*Vertical Fixed Roof Storage Tank, Crude Oil (RVP 2)*	*9 VAC 5-80-720 B*	*Naphthalene, Toluene, VOC*	*Not Applicable*
TNKA-006	*Vertical Fixed Roof Storage Tank, H_2O*	*9 VAC 5-80-720 B*	*Naphthalene, Toluene, VOC*	*Not Applicable*
TNKA-009, 010, 022, 027, 028, 029, 030, 101, 227, 228, 229, 230	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene, Toluene, VOC*	*Not Applicable*
TNKA-172, 181, 182, 183, 189, 191, 193, 197, 209, 211,	*Horizontal Fixed Roof Storage Tank*	*9 VAC 5-80-720 B*	*Naphthalene, Toluene, VOC*	*Not Applicable*
WELD-GRP	*Maintainence Welding Operations*	*9 VAC 5-80-720 B*	*No regulated pollutants.*	*Not Applicable*
WSTL-GRP	*Oil/Water Separators*	*9 VAC 5-80-720 B*	*Benzene, Hexane, Naphthalene, VOC*	*Not Applicable*

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XI. Facility Information- CNRMA

Permittee
Commander Navy Region Mid-Atlantic
Code N547
1510 Gilbert Street
Norfolk, VA 23511

Responsible Official
Cheryl F. Barnett
Head Regional Environmental Group
By direction of the Commander

Facility
Southgate Annex
Norfolk Naval Shipyard
Portsmouth, VA 23709-5000

Contact Person
Meredith Cutchin
Air Program Manager
(757) 341-0432

AFS Identification Number: 51-740-00006

Facility Description: CNRMA owns and operates the Southgate Annex, which is located next to the Norfolk Naval Shipyard. The Southgate Annex is a storage facility for inactive naval vessels (NNSY owns 4 of the 6 piers). The area includes 63 acres and approximately 80 employees are associated with the Southgate Annex. Maintenance of these inactive vessels is done to ensure their integrity while in storage or to prepare them for re-use or disposal. The Naval Facilities Mid-Atlantic (NAVFAC MIDLANT) uses space to park vehicles (when not leased) which are leased to various government activities. The Intra-Fleet Supply Support Operations Team (ISSOT) also has a presence. The ISSOT provides temporary labor to the Department of Defense and other federal agencies and they also have some buildings used for storage. Maritime Expeditionary Security Group TWO (MESG-2) performs maintenance on small boats, vehicles, and portable generators and operates two small arms firing ranges at the facility. No boat painting occurs.

- 9711 - National security

XII. Significant Emission Units - CNRMA

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
ICGF-B558-120	-	*Emergency Generator, Olympian D100P1 (pre-2004), Bldg 558, sewer lift station, integral 190 gal belly tank , 40 CFR 63 Subpart ZZZZ*	*100 KW*	-	-	-	-
ICGF-B1609-129	-	*Emergency Generator Olympian D150P1 (2004), Bldg 481, security, integral 600 gal belly tank, 40 CFR 63 Subpart ZZZZ*	*201 HP, 150 KW*	-	-	-	-

*The Size/Rated capacity is provided for informational purposes only and is not an applicable requirement.

XIII. Internal Combustion Engines (Generators) - CNRMA

A. Applicable Requirements

1. Except where this permit is more restrictive than the applicable requirement, the internal combustion engines listed in Section II shall be operated in compliance with the requirements of 40 CFR Part 63, Subpart ZZZZ.

   Note: All applicable requirements of 40 CFR Part 63, Subpart ZZZZ are not specifically listed in this permit. The permittee should refer to the applicable regulation for additional requirements not included in this permit. (9 VAC 5-80-110)

2. All existing emergency CI generators <500 HP (Units ICGF-B558-120 and ICGF-B481-129) shall be in compliance with 40 CFR Part 63, Subpart ZZZZ by May 3, 2013. These units shall comply with the applicable:

   a. Emission limitations as specified in 40 CFR 63.6602, Table 2c;

   b. Monitoring, installation, collection, operation and maintenance requirements as specified in 40 CFR 63.6625(e), (f), (h), (i);

   c. Continuous compliance requirements as specified in 40 CFR 63.6605 and 63.6640;

   d. Recordkeeping requirements as specified in 63.6655 (except 63.6655(c));

   e. Reporting requirements as specified in the Footnote 1 of Table 2c; and

   f. Requirements of the General Provisions listed in 40 CFR Subpart A, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

   (9 VAC 5-80-110)

XIV. Insignificant Emission Units - CNRMA

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
FIRI-001,002	*Firing Range*	*9 VAC 5-80-720 B*	*PM, PM_{10}, Lead*	*Not Applicable*
TNKA-023, 024, 199, 231	*Horizontal Fixed Roof Storage Tank, Distillate Fuel Oil No. 2*	*9 VAC 5-80-720 B*	*Naphthalene, Toluene, VOC*	*Not Applicable*

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XV. Facility Wide Conditions – Shipyard and CNRMA

The requirements of this section apply to processes not listed elsewhere in this permit.

A. Limitations

1. No owner or other person shall cause or permit the manufacture, mixing, storage, use or application of liquefied asphalt for paving operations unless such asphalt is of the emulsified asphalt type.
(9 VAC 5-40-5510 and 9 VAC 5-80-110)

2. The manufacture, mixing, storage, use or application of cutback asphalt is permitted under any of the following circumstances:

   a. When stockpile storage greater than one month is necessary;

   b. When use or application during the months of November through March is necessary;

   c. When use or application as a penetrating prime coat or tack coat is necessary; or

   d. When the user can demonstrate that there are no volatile organic compound emissions from the asphalt under conditions of normal use.

   This does not preclude the manufacture, mixing, storage, use or application of heated asphalt cement as a component in asphaltic concrete mixing or for priming in surface treatment.
(9 VAC 5-40-5510 and 9 VAC 5-80-110)

3. The manufacture, mixing, storage, use or application of emulsified asphalt containing volatile organic compounds is permitted provided the annual average of volatile organic compound content for all emulsified asphalts used does not exceed 6 % of volatile organic compounds by volume.
(9 VAC 5-40-5510 and 9 VAC 5-80-110)

4. At all times, including periods of start-up, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.
(9 VAC 5-80-110 and Condition 46 of the 6/28/10 permit)

B. Monitoring and Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Records of VOC content of emulsified asphalt.

   b. Records of disposal of any asbestos containing material.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent 5 years.
(9 VAC 5-80-110)

2. During periods that any emissions unit is not operated, it will be assumed that the emission unit is in compliance with applicable opacity/visible emission standards, as these units do not emit regulated pollutants or produce visible emissions when not operated. Visual evaluations for the presence of visible emissions will not be required during periods of non-operation.
(9 VAC 5-80-110)

C. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30 and 9 VAC 5-80-110 and Conditions 27 and 39 of the 6/28/10 permit)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

XVI. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR, Part 60, Subpart Dc	*NSPS for Small Industrial -Commercial-Institutional Steam Generating Units*	*Does not apply to any boilers at the facility because no emissions units are present at the facility within the applicable size range specified in the regulation*
40 CFR, Part 60, Subpart EE	*NSPS for Surface Coating of Metal Furniture*	*(PNTS-B234-002) Coating process was installed prior to 1980 and thus is not subject to the regulation.*
40 CFR 60, Subpart VVV	*NSPS for Polymeric Coating of Supporting Substrates Facilities*	*(PNTS-B369-009) Operation is not utilized to coat "supporting substrates" as defined in the regulation. Plasticol coating is applied to valve and tool handles.*
40 CFR 61, Subpart M	*National Emission Standards for Asbestos All sections except for 40 CFR §61.145, §61.146, §61.150, §61.152 and §61.153*	*NNSY does not process, manufacture asbestos containing products and is only subject to the regulations associated with removal and disposal of asbestos containing material.*
40 CFR 63, Subpart II	*National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)*	*(PNTS-B236-028) Although equipment from ships is coated at this unit; the equipment (forklifts and ground support equipment used on aircraft carriers) is not an inherent part of the ship. Since this equipment is portable and can be used on land as well as at sea it is NNSY's interpretation that this emissions unit is not subject to the rule.* *(OCOT-B510-001, OCOT-B510-002, OCOT-B510-003, PNTS-B369-009) Coating operations at these units are not utilized for the purpose of corrosion control or prevention coating. The NAVY has received guidance from USEPA that the NESHAP standards are only intended to regulate coating operations conducted for the purpose of corrosion control or prevention.*
40 CFR 63, Subpart JJ	*National Emission Standards for Wood Furniture Manufacturing Operations All sections except §63.801*	*NNSY is exempt from the requirements of the NESHAP for Wood Furniture Manufacturing as an Incidental Wood Furniture Manufacturer (using less than or equal to 100 gallons per month of finishing material or adhesives in the manufacture of wood furniture or wood components), with the exception of the recordkeeping requirements to maintain records of purchase/usage of finishing material and adhesives to demonstrate qualification as an Incidental Wood Manufacturer.*
40 CFR 63, Subpart DD	*National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations*	*NNSY is exempt from this regulation pursuant to 40 CFR Part 63.689(d) in that the total annual quantity of HAP contained in the bilge water processed at NNSY from ships that are dry docked or berthed at the facility is less than 1 megagram per year based on historical throughput and test data. NNSY maintains these records on-site.*

Citation	Title of Citation	Description of Applicability
40 CFR 63, Subpart CCCCCC	*National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities*	*This MACT applies to area sources only*
40 CFR 64,	*Compliance Assurance Monitoring*	*Source has no units which are applicable*
40 CFR 80 Subpart B	*Controls Applicable to Gasoline Refiners and Importers*	*These regulations are not included in the Virginia State Implementation Plan and are not applicable requirements as defined in 40 CFR Part 70*

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

XVII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

      (i) Exceedance of emissions limitations or operational restrictions;

      (ii) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

      (iii) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period.

   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

   R3_APD_Permits@epa.gov

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition IX.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.

(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).

(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XVIII. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5, Chapter 40, Part II, Article 2: Emissions Standards for Odor

2. 9 VAC 5, Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions

(9 VAC 5-80-110 N and 9 VAC 5-80-300)